

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-24 (Canceled)

25. (Currently Amended) A computer-readable storage medium having computer-executable instructions that, when executed by a computing device, cause the computing device to aggregate a semi-additive measure over an additive dimension of a cube and over a non-additive dimension of the cube by:

aggregating the semi-additive measure for a plurality of members of the additive dimension using an additive aggregation function;

providing a first interface comprising a plurality of first user-selectable elements, each first user-selectable element associated with a respective account type that is an income account type, an expense account type, a flow account type, a balance account type, an asset account type, a liability account type, a statistical account type or a missing account type;

receiving a user selection of at least two of the first user-selectable elements;

defining, based on the selected first user-selectable elements, a first account associated with a first data table and comprising a plurality of first members of the non-additive dimension and a second account associated with a second data table and comprising a plurality of second members of the non-additive dimension, the non-additive dimension having a parent member that includes at least one child member selected from the first members and the second members;

providing a second interface comprising a plurality of second user-selectable elements, each second user-selectable element associated with a respective non-additive aggregation function that is different from the additive aggregation function;

for each of the first and second accounts, receiving a user selection of one of the second user-selectable elements;

associating the first account with the non-additive aggregation function that is associated with the second user-selectable element that was selected for the first account;

associating the second account with the non-additive aggregation function that is associated with the second user-selectable element that was selected for the second account; [[and]]

evaluating the parent member by aggregating the semi-additive measure for the first members according to the non-additive aggregation function associated with the first account and by aggregating the semi-additive measure for the second members according to the non-additive aggregation function associated with the second account; and  
outputting the evaluated parent member.

26-37 (Canceled)

38. (New) A method for aggregating a semi-additive measure over an additive dimension of a cube and over a non-additive dimension of the cube comprising:

aggregating by at least one computer processor the semi-additive measure for a plurality of members of the additive dimension using an additive aggregation function;  
providing a first interface comprising a plurality of first user-selectable elements, each first user-selectable element associated with a respective account type that is an income account type, an expense account type, a flow account type, a balance account type, an asset account type, a liability account type, a statistical account type or a missing account type;  
receiving a user selection of at least two of the first user-selectable elements;  
defining, based on the selected first user-selectable elements, a first account associated with a first data table and comprising a plurality of first members of the non-additive dimension and a second account associated with a second data table and comprising a plurality of second members of the non-additive dimension, the non-additive dimension having a parent member that includes at least one child member selected from the first members and the second members;  
providing a second interface comprising a plurality of second user-selectable elements, each second user-selectable element associated with a respective non-additive aggregation function that is different from the additive aggregation function;  
for each of the first and second accounts, receiving a user selection of one of the second user-selectable elements;

associating the first account with the non-additive aggregation function that is associated with the second user-selectable element that was selected for the first account;  
associating the second account with the non-additive aggregation function that is associated with the second user-selectable element that was selected for the second account;  
evaluating by the at least one computer processor the parent member by aggregating the semi-additive measure for the first members according to the non-additive aggregation function associated with the first account and by aggregating the semi-additive measure for the second members according to the non-additive aggregation function associated with the second account; and  
outputting the evaluated parent member.

39. (New) The method of claim 38, wherein the non-additive aggregation function associated with the first account is a null aggregation function.
40. (New) The method of claim 38, wherein the non-additive aggregation function associated with the first account is an average of children aggregation function.
41. (New) The method of claim 38, wherein the non-additive aggregation function associated with the first account is a first child aggregation function.
42. (New) The method of claim 38, wherein the non-additive aggregation function associated with the first account is a last child aggregation function.
43. (New) The method of claim 38, wherein the non-additive aggregation function associated with the first account is a first non-empty child aggregation function.
44. (New) The method of claim 38, wherein the non-additive aggregation function associated with the first account is a last non-empty child aggregation function.
45. (New) A system for aggregating a semi-additive measure over an additive dimension of a cube and over a non-additive dimension of the cube comprising:

a processor for executing computer-executable instructions;

a memory having stored therein the computer-executable instructions comprising:

- aggregating the semi-additive measure for a plurality of members of the additive dimension using an additive aggregation function;
- providing a first interface comprising a plurality of first user-selectable elements, each first user-selectable element associated with a respective account type that is an income account type, an expense account type, a flow account type, a balance account type, an asset account type, a liability account type, a statistical account type or a missing account type;
- receiving a user selection of at least two of the first user-selectable elements;
- defining, based on the selected first user-selectable elements, a first account associated with a first data table and comprising a plurality of first members of the non-additive dimension and a second account associated with a second data table and comprising a plurality of second members of the non-additive dimension, the non-additive dimension having a parent member that includes at least one child member selected from the first members and the second members;
- providing a second interface comprising a plurality of second user-selectable elements, each second user-selectable element associated with a respective non-additive aggregation function that is different from the additive aggregation function;
- for each of the first and second accounts, receiving a user selection of one of the second user-selectable elements;
- associating the first account with the non-additive aggregation function that is associated with the second user-selectable element that was selected for the first account;
- associating the second account with the non-additive aggregation function that is associated with the second user-selectable element that was selected for the second account;
- evaluating the parent member by aggregating the semi-additive measure for the first members according to the non-additive aggregation function associated with the first account and by aggregating the semi-additive measure for the second members according to the non-additive aggregation function associated with the second account; and
- outputting the evaluated parent member.

46. (New) The system of claim 45, wherein the non-additive aggregation function associated with the first account is a null aggregation function.
47. (New) The system of claim 45, wherein the non-additive aggregation function associated with the first account is an average of children aggregation function.
48. (New) The system of claim 45, wherein the non-additive aggregation function associated with the first account is a first child aggregation function.
49. (New) The system of claim 45, wherein the non-additive aggregation function associated with the first account is a last child aggregation function.
50. (New) The system of claim 45, wherein the non-additive aggregation function associated with the first account is a first non-empty child aggregation function.
51. (New) The system of claim 45, wherein the non-additive aggregation function associated with the first account is a last non-empty child aggregation function.
52. (New) The computer-readable storage medium of claim 25, wherein the non-additive aggregation function associated with the first account is a null aggregation function.
53. (New) The computer-readable storage medium of claim 25, wherein the non-additive aggregation function associated with the first account is an average of children aggregation function.
54. (New) The computer-readable storage medium of claim 25, wherein the non-additive aggregation function associated with the first account is a first child aggregation function.
55. (New) The computer-readable storage medium of claim 25, wherein the non-additive aggregation function associated with the first account is a last child aggregation function.

56. (New) The computer-readable storage medium of claim 25, wherein the non-additive aggregation function associated with the first account is a first non-empty child aggregation function.

57. (New) The computer-readable storage medium of claim 25, wherein the non-additive aggregation function associated with the first account is a last non-empty child aggregation function.